

LISTING OF THE CLAIMS

1. (Currently Amended) A application specific cache management system stored on a computer readable medium, comprising:

an in-memory database system for managing application specific cached data;

an application utilizing application specific data and having a rule related to caching the application specific data, wherein the application defines the rules for the application specific cache;

a wrapper to receive the application specific data from the application and provide at least a portion of the application specific data and a component of the rule to the in-memory database system, wherein the at least the portion of application specific data is the application specific cache data; and

an engine operable to monitor the in-memory database system and apply the rule to the application specific cached data;

wherein the engine monitors the in-memory database system and applies the rule to the application specific cached data without the involvement of the application, or the in-memory database server, or a back office database.

2. (Original) The cache management system of Claim 1, wherein the component of the rule is further defined as a first component and a second component of the rule.

3. (Original) The cache management system of Claim 1, wherein the rule is further defined as instructions for cache management of the data.

4. (Original) The cache management system of Claim 1, wherein the data is application data and wherein the rule for cache management of the data is related to the application.
5. (Original) The cache management system of Claim 1, wherein the wrapper receives at least a portion of the data from the application and the wrapper provides a part of the at least a portion of the data to the in-memory database system.
6. (Original) The cache management system of Claim 1, further comprising a plug-in operable to communicate with the in-memory database system to receive the data and the component of the rule from the wrapper and communicate the data and information related to the rule to the in-memory database system.
7. (Original) The cache management system of Claim 1, wherein the engine is operable to obtain the component of the rule from the in-memory database and to obtain the instruction for cache management of the data related to the component of the rule and further operable to execute the instructions to apply the rule to the data.
8. (Original) The cache management system of Claim 1, wherein the rule is defined as an asynchronous rule.
9. (Original) The cache management system of Claim 1, wherein the rule is defined as a synchronous rule.

10. (Previously Presented) The cache management system of Claim 1, wherein the rule includes a refresh data instruction whereby the engine is operable to obtain current data from a database.

11. (Previously Presented) The cache management system of Claim 1, wherein the rule includes a tenure data instruction whereby the engine is operable to release the data after a time period.

12. (Previously Presented) The cache management system of Claim 1, wherein the rule includes a persist data instruction whereby the engine is operable to release the data after a time period unless the data is requested before the expiration of the time period.

13. (Previously Presented) The cache management system of Claim 1, wherein the component of the rule is further defined as a rule type.

14. (Currently Amended) A system stored on a computer readable medium for managing application specific cached data, comprising:

a first application server;

an application operable on the first application server, the application utilizing data and having a rule related to ~~a~~ an application specific cache management of the data, wherein the application defines the rules for the application specific cache;

a second application server;

an in-memory database management system operable on the second application server to receive the data;

a wrapper in communication with the application to receive a component of the rule from the application and provide the component of the rule to the in-memory database system; and

an engine operable to monitor the in-memory database system and apply the rule to the application specific cached data;

wherein the engine monitors the in-memory database system and applies the rule to the application specific cached data without the involvement of the application, ~~or~~ the in-memory database server, or a back office database..

15. (Previously Presented) The system of Claim 14, wherein the engine is operable on the first application server.

16. (Previously Presented) The system of Claim 14, wherein the wrapper is operable on the first application server.

17. (Previously Presented) The system of Claim 14, wherein the wrapper and the engine are operable on the first application server.

18. (Previously Presented) The system of Claim 14, wherein the engine is operable on the second application server.

19. (Previously Presented) The system of Claim 14, further comprising a third application server and wherein the engine is operable on the third application server.

20. (Currently Amended) A method of managing cached data stored on a computer readable medium, comprising:

obtaining application data and a component of a rule related to the data from an application, wherein the application defines the rule for an application specific cache;

wrapping the application data and the component of the rule;

providing the wrapped application data and component of the rule to an in-memory database server;

monitoring the in-memory database server; ~~and~~

applying the rule to the wrapped application data based on the rule component; and

caching at least a portion of the wrapped application data according to the rule to create application cache data;

wherein the application of the rule to the application data occurs without the involvement of the application, ~~or~~ the in-memory database server, or a back office database.

21. (Canceled)

22. (Previously Presented) The method of Claim 20, wherein the rule is defined as an instruction related to a cache management of the data.

23. (Previously Presented) The method of Claim 22, wherein the component of the rule is further defined as a rule type related to the instruction.

24. (Currently Amended) A cache management system stored on a computer readable medium, comprising:

an application utilizing data and having a rule related to caching the data, wherein the application defines the rules for the application specific cache;

an in-memory database management system to receive the data;

a wrapper in communication with the application to receive at least a component of the rule; and

an engine operable to receive at least the component of the rule from the wrapper and apply the rule to cached data;

wherein the engine applies the rule to the cached data without the involvement of the application, ~~or~~ the in-memory database server, or a back office database.

25. (Previously Presented) The cache management system of Claim 24, wherein the data is a refresh data request.

26. (Previously Presented) The cache management system of Claim 24, wherein the rule is an application specific cache data rule.

27. (Previously Presented) The cache management system of Claim 24, wherein the in-memory database management system further includes a storage portion for storing the data utilized by the application and a table operable to maintain a rule event related to the rule for caching data, the rule event pointing to a location in the storage portion of the in-memory database where the data related thereto is stored.

28. (Previously Presented) The cache management system of Claim 27, wherein the wrapper is further operable to provide at least a portion of the data from the application and a component of the rule to the in-memory database.

29. (Previously Presented) The cache management system of Claim 28, wherein the engine is further operable to poll the in-memory database and apply the rule related to the rule event to the data.